

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-289568

(43)Date of publication of application : 19.10.2001

(51)Int.Cl.

F27B 14/06

F27D 11/06

H05B 6/24

(21)Application number : 2000-111902

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(22)Date of filing : 07.04.2000

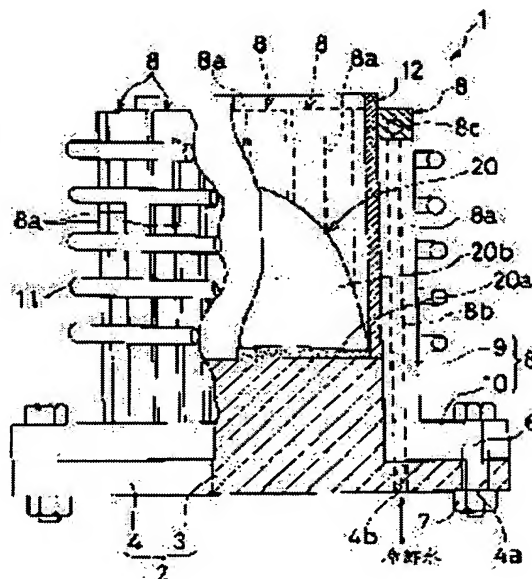
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(54) INDUCTION HEATING MELTING FURNACE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain almost all of a metal to be melted as a melt even if the metal 20 to be melted having a high thermal conductivity is melted.

SOLUTION: A furnace main body 1, an induction heating coil 11 and a partition wall member 12 are provided. The furnace main body 1 has a sidewall formed by arranging a plurality of conductive segments 8 provided in a circumferential direction in an insulated state with each other and contains the metal 20 in such a manner as to be capable of cooling the same. The induction coil 11 is disposed at an outer circumferential side of the sidewall and induction-heats the metal 20 contained in the furnace main body 1. The partition wall member 12 is installed along an inner face of the sidewall of the main body 1 and is made of carbon or the like capable of reducing the cooling capacity of the main body 1.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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